

Subject: glowbugs V1 #163

glowbugs

Wednesday, November 26 1997

Volume 01 : Number 163

Date: Mon, 24 Nov 1997 22:18:03 -0800 (PST)

From: Ken Gordon <keng@uidaho.edu>

Subject: Re: 3579 QRG...oops.

> Heard Bob NZ4G working someone at 0545. Bob was about 449, but he sure
> sounded nice. He didn't hear me either. The guy he was working was about
> 500 cycles lower and right in the TV QRM.

I meant NA4G, not NZ4G. Old Fingers syndrome, I guess.

Ken

Date: Mon, 24 Nov 1997 23:04:24 -0800 (PST)

From: Ken Gordon <keng@uidaho.edu>

Subject: 2 HP motors for generators...

I've forgotten who wanted to know this, so I am posting this info to the list.

I had said that a catalog I had listed 2 HP 110 VAC single phase motors for \$30. I was wrong. My memory failed again.

These motors cost \$69.95. Original cost is \$287. What these are are pool pump motors. They are rated for 115/230 VAC single phase, 22/11 amps, 3450 RPM, 1.0 service factor, class B insulated, thermally protected, shaft 1/2" diam x 1 1/2" long, 56Z frame, original PN C48N2A1A1, MECI part number 420-0370.

The outfit that is selling them is:

MECI (Mendelson Electronics Co. Inc.)

Order telephone number is:

1-800-344-4465

FAX: 1-800-344-6324

e-mail: meci@meci.com

URL: <http://www.meci.com>

Catalog number 102

Page 34

They have 1.5 hp motors for \$59.95

Ken W7EKB

Date: Tue, 25 Nov 1997 08:41:40 -0500 (EST)
From: EWoodman@aol.com
Subject: 811A Hartley Recap

I've had a bunch of questions about the experiment with the 811A in a Hartley. I haven't had a chance to do any more with it other than the "quickie" test I did last Sunday just to see if I could see if I could get it to kick into oscillation reliably when keyed. My experience had been that most times it wouldn't start up. What got me wondering was one time when I was reaching over the top of the rig for something when I keyed it and it started up. I took my hand away and keyed it.....nothing. I then keyed it and while holding the key down and waved my hand over it. It suddenly started.

So here is the basic recap for those who didn't catch it:

The rig - My basic shunt-fed Hartley for 160M. 3 inch dia. coil of #14 insulated wire wound on PVC pipe. Antenna coil on the same form with 1.5" coupling. 400pf variable series tuning the ant coil. Grid cap is 250pf and grid resistor is 12k. Coil is center tapped. 2.5mH choke from B+ to plate. 300pf 2.5kv mica cap coupling plate to coil. Normally run with a 6SN7 at 2.5 watts output.

I spliced a socket for the 811A into the circuit. I then made a cap of about 12pf out of double-sided pc board. It's about .75X.75" square with a lead soldered to each side. The cap is placed between the grid and plate. I put 420v on the plate and used a 6 amp 6.3v dc supply to light the filament (811A draws 4 amps). Rig is keyed by pulling the neg side of the filament to B-. Started up every time I keyed it. Draws about 50ma.

End of test.

I didn't adjust anything in the circuit. The coil tap is fixed so I didn't want to mess with that and I didn't play with the value of the grid resistor. The plate to grid cap may not be optimum either. That value just happened to work. Maybe the thing works differently in a shunt-fed rig than it does in a series-fed one. I don't happen to have a series fed one to test it in (Bob?) When I put together the 80 meter rig I'll make all those adjustments and see what I end up with. Hopefully it will make a usable rig. I won't have time to fool with it anymore this week so if someone gets a chance to play with idea please let us know what you find.

73 Eric KA1YRV

Date: Tue, 25 Nov 1997 08:32:55 -0600
From: mack@mails.imed.com (Ray Mack)
Subject: Re: 2 HP motors for generators...

Ken:

I got sick last week and just got back to work this morning.
The article is in today's mail.

Ray

Subject: 2 HP motors for generators...
Author: Ken Gordon <keng@uidaho.edu> at mails
Date: 11/24/97 11:04 PM

I've forgotten who wanted to know this, so I am posting this info to the list.

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Page 34

They have 1.5 hp motors for \$59.95

Ken W7EKB

Date: Tue, 25 Nov 1997 10:55:07 -0500 (EST)

From: rdkeys@csemail.cropsci.ncsu.edu

Subject: Re: Hartley 811A Success

> > Also, lets try to keep the 3579 and 1802 alive until 0600Z and later,
> > particularly 0500Z-0600Z for the WestCoasters to chime in on.

Well, I heard 5TVW 599, armchair, and managed a few folks down on 3525. At 0600 or a little after, I did hear a weak one that probably was a west of the big muddy type, but too weak to copy. I did run into a fellow apparently recovering from a stroke (age 65) that was interesting copy. Kudos to him for hanging in there during recovery.

Alas, Ol' BA Bob folded at 0630, after calling a few rounds more and nil return.

> I did hear Sandy last night, about the time you called him. I ***THINK***
> I heard you in there, but with my 75-90 watts I don't think you are going
> to hear me. Will try again tonight.

Well, that is a fair to good indicator. I was not running big power, maybe 100 watts output from the SRT-14 into a N/S propagating antenna. I was getting up to 4 amps current into the L network, but dunno how

much was going out the antenna circuit, and how much was looping in the L network. I was able to work 5TVW on 10 watts, quite well, though, but not too much above the noise at that power level.

> Ken

If possible, I prefer 0500Z and 0600Z for any west coast transcons attempts. I can hang in until 0700Z sometimes, but that is pushing me on weeknites. On weekends, if there is activity, I will keep a mud pot on and dittle until 0700Z.

I have compared the R-388, the RAL, and the Twinnie Tuber regen against the kenwoodiewhooie (TS-140S), and aside from the bells and whistles, everything I can hear on the kenwoodiewhooie, I can hear on any of the others on 80 and 160M. So, on 80M, almost anything can make a good usable receiver.

Whomever the weak one was at 0600 or so, 'fess up now, you were barely heard, but you WERE heard back in NC.

Bob/NA4G

Date: Tue, 25 Nov 1997 07:44:20 -0800 (PST)

From: Ken Gordon <keng@uidaho.edu>

Subject: Re: Hartley 811A Success

>

> Well, I heard 5TVW 599, armchair, and managed a few folks down on 3525.

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> west of the big muddy type, but too weak to copy. I did run into a fellow
> apparently recovering from a stroke (age 65) that was interesting copy.
> Kudos to him for hanging in there during recovery.

>

> Alas, Ol' BA Bob folded at 0630, after calling a few rounds more and nil
> return.

I don't know how you stay awake that lone. I sure couldn't do it.

>

> > I did hear Sandy last night, about the time you called him. I ***THINK***
> > I heard you in there, but with my 75-90 watts I don't think you are going
> > to hear me. Will try again tonight.

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> much was going out the antenna circuit, and how much was looping in the
> L network. I was able to work 5TVW on 10 watts, quite well, though, but
> not too much above the noise at that power level.

>

> > Ken

>

> If possible, I prefer 0500Z and 0600Z for any west coast transcons attempts.
> I can hang in until 0700Z sometimes, but that is pushing me on weeknites.
> On weekends, if there is activity, I will keep a mud pot on and dittle until
> 0700Z.

I heard you last night (Monday) at 0545. You were sending quite slowly and in QSO with another station who must have been using a TV rock as he was

almost smack in the middle of the TV QRM. It wasn't Sandy. I heard him earlier at about S7. Your signal sure sounded good. I called you a couple of times, but was near zero with your frequency so I doubt you would hear me.

>

> I have compared the R-388, the RAL, and the Twinnie Tuber regen against
> the kenwoodiewhooie (TS-140S), and aside from the bells and whistles,
> everything I can hear on the kenwoodiewhooie, I can hear on any of the
> others on 80 and 160M. So, on 80M, almost anything can make a good
> usable receiver.

Yup. The HW-16 does quite well, receiver wise, DESPITE the loads of local QRN. (Gotta make myself one of those DeMaw QRN Squashers).

>

> Whomever the weak one was at 0600 or so, 'fess up now, you were
> barely heard, but you WERE heard back in NC.

Also heard someone who said he was in GA.

Ken W7EKB

Date: Tue, 25 Nov 1997 23:04:45 -0600

From: w5hvv@aeneas.net (Roderick M. Fitz-Randolph)

Subject: Re: 811A Hartley Recap

>I've had a bunch of questions about the experiment with the 811A in a
>Hartley. I haven't had a chance to do any more with it other than the
>"quickie" test I did last Sunday just to see if I could see if I could get it
>to kick into oscillation reliably when keyed. My experience had been that
>most times it wouldn't start up. What got me wondering was one time when I
>was reaching over the top of the rig for something when I keyed it and it
>started up. I took my hand away and keyed it.....nothing. I then keyed it
>and while holding the key down and waved my hand over it. It suddenly
>started.

<<SNIP>>

Eric, we are all pulling for you..... especially me, with a shiny, new-looking 811A just dying to be tried in your 80 meter circuit. I have a Heath HP-23-A power supply that, I believe, will provide 6.3 VAC for the filament and about 600-700 volts for the plate. I am planning to put it on a lightly stained piece of Oak that will be polyurethaned after staining. I will probably use a piece of aluminum for the front plate (unless that runs against the grain of the Hartley mystic!). Anyhoooo, I am really anxious to put one together. I've heard that they are "Channel-Masters" and that, in order to maintain peace among the neighbors and their favorite TV programs, I will have to operate late, late at night. Let me know if that is your experience with Hartleys.

Rod, N5HV
w5hvv@aeneas.net

Date: Tue, 25 Nov 1997 23:04:28 -0600

From: w5hvv@aeneas.net (Roderick M. Fitz-Randolph)

Subject: Heath HP-23-A Power Supply

I have a Heath HP-23-A power supply that has an 11 pin tube socket for an output with the following printing for the pins:

Adj. Bias
AC Common
AC Switch
6V Fil
Gnd
12
NC
+HV
+LV
Fil. common
- -130V

My questions are:

- (1) Does anyone know if the 6V filament source will supply the necessary 4 amperes for a 811A (a potential Hartley rig!)
- (2) Does anyone know the voltage and current rating of the +HV?
- (3) Does anyone know the voltage and current rating of the +LV?

Thank you for reading this and I would appreciate any info you may have on the Heath HP-23-A. I do not have a manual on it.

Rod, N5HV
w5hvv@aeneas.net

Date: Wed, 26 Nov 1997 07:53:07 -0400
From: "Brian Carling" <bry@mnsinc.com>
Subject: Re: CB-to-Ten AM QRGs?

Tom, 29.1 MHz is also a popular AM spot, and all points in between 29.0 and 29.1 MHz.

So, I would recommend doing some listening first or maybe buy 2 or 3 rocks.

Bry

On 22 Nov 97 at 14:44, Tom wrote:

```
> All this talk of 10-meter openings impels me to
> get out my old Maxwell, a tube-type single channel
> CB (shudder) for which I would like to order the
> appropriate xtal(s) soonest.
>
> Please refresh my volatile meat RAM with the favorite
> AM frequencies; I remember 29.00 mc, but wanna be sure
> before I pungle up the bread.
>
> 73 de WB6BYH
>
>
> Be Alert! America Needs More Lerts!
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>
> --
> "Start off every day with a smile and get it over with." --W.C.Fields
> Tom R. Rice
> tomrice@netcom.com
>
>
*****
*** 73 from Radio AF4K/G3XLQ Gaithersburg, MD USA *
** E-mail to: bry@mnsinc.com *
*** ICQ: 3910641 ***
** http://www.mnsinc.com/bry/ *
*****
AM International #1024, TENTEN #13582. GRID FM19. Using a SWAN 250 on 6m,
Other rigs: Valiant, DX-60/HG-10, FT-840, TM-261, Ameco TX-62, Gonset Communicator III
HTX-202...TEN-TEN #13582, DXCC #17,763 Bicentennial WAS
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End of glowbugs V1 #163
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